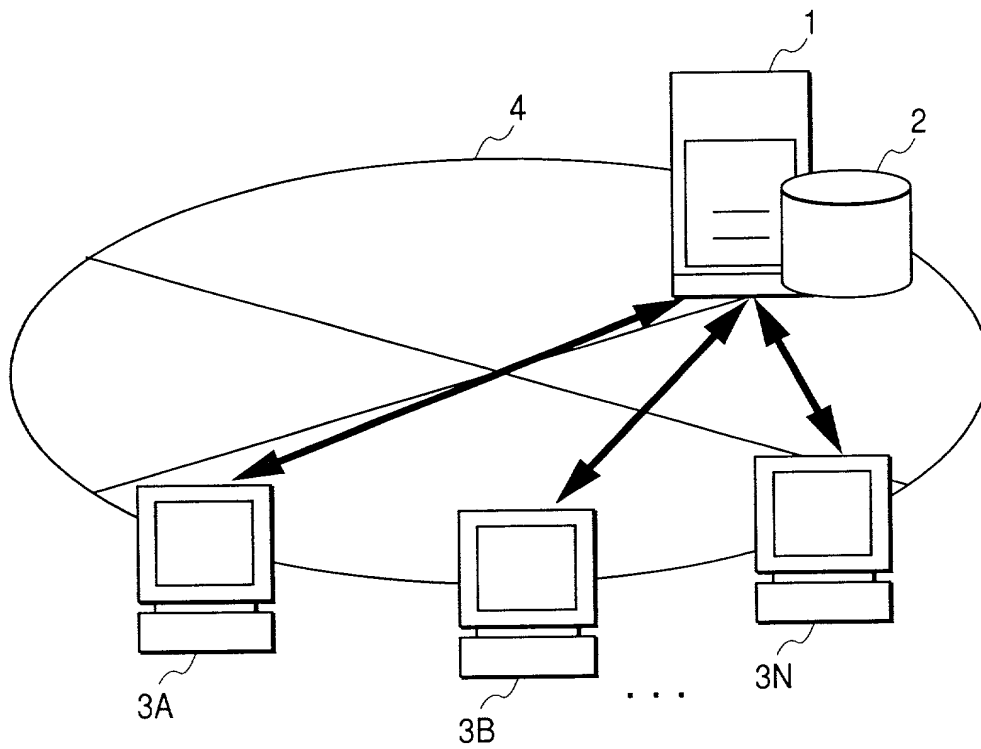


FIG. 1



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FIG. 2

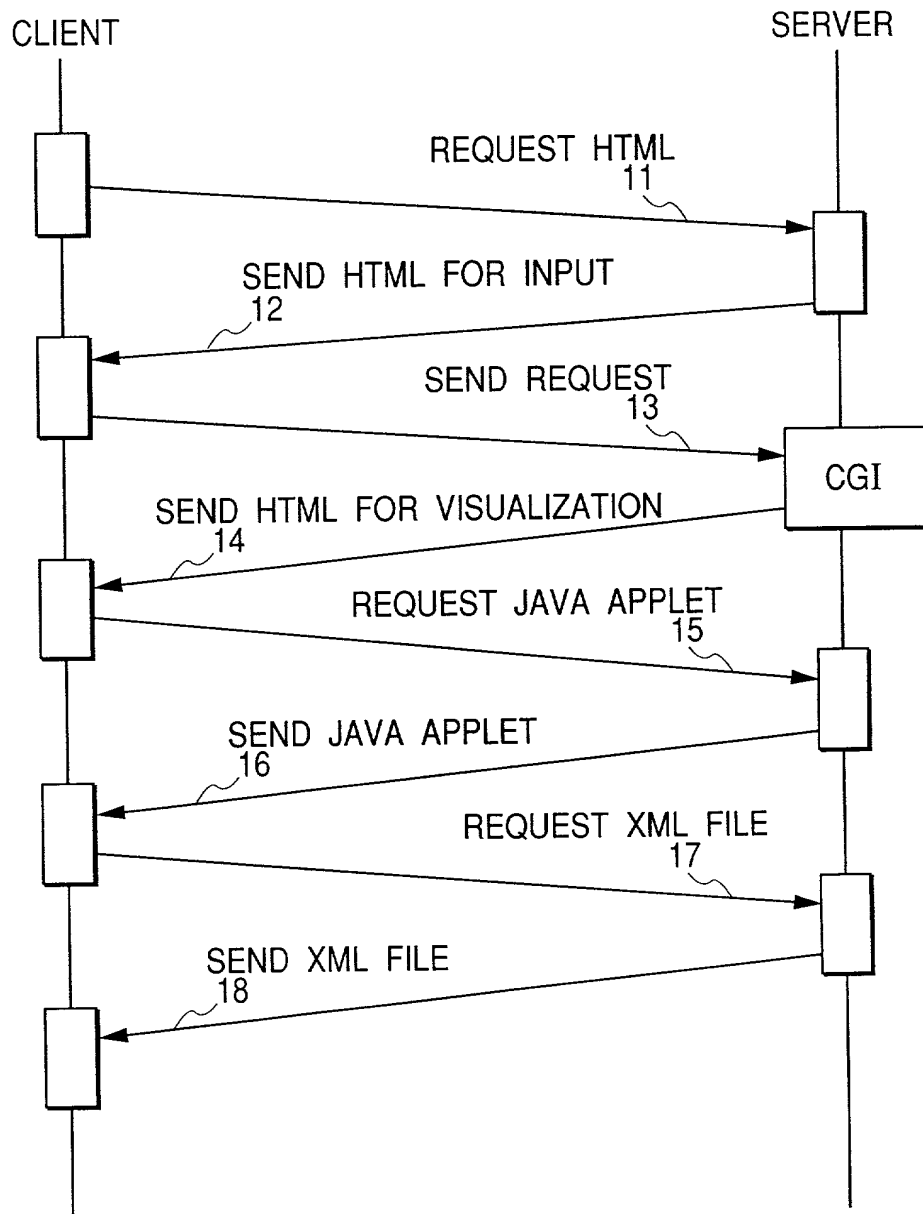


FIG. 3

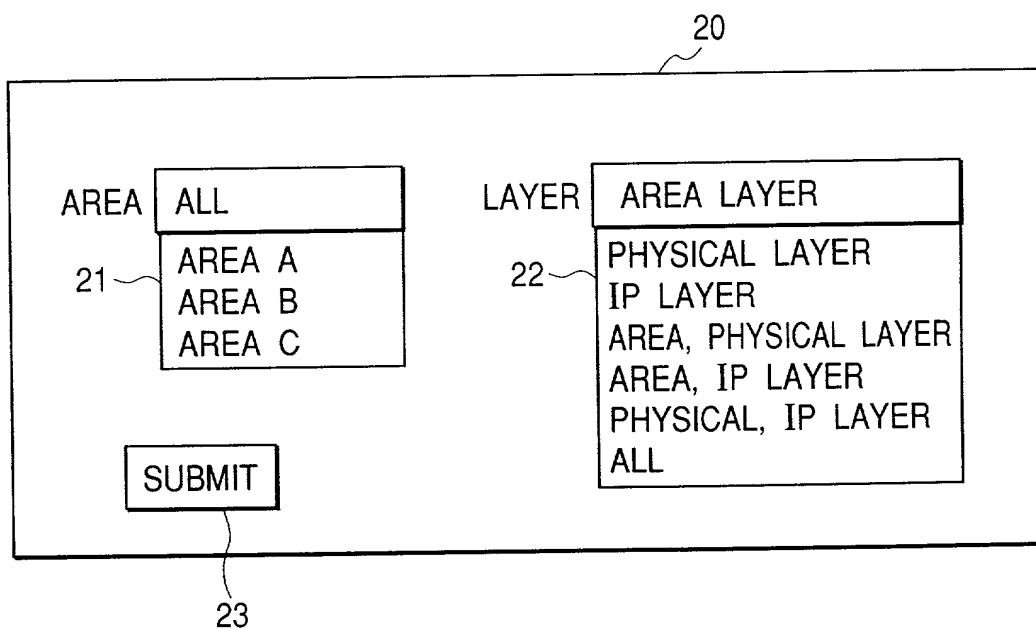


FIG. 4

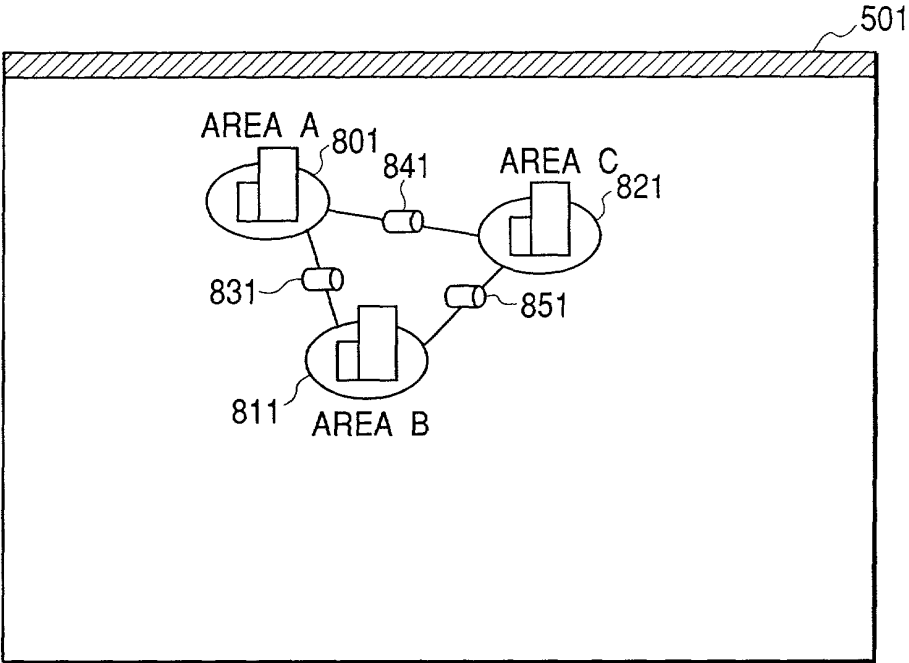
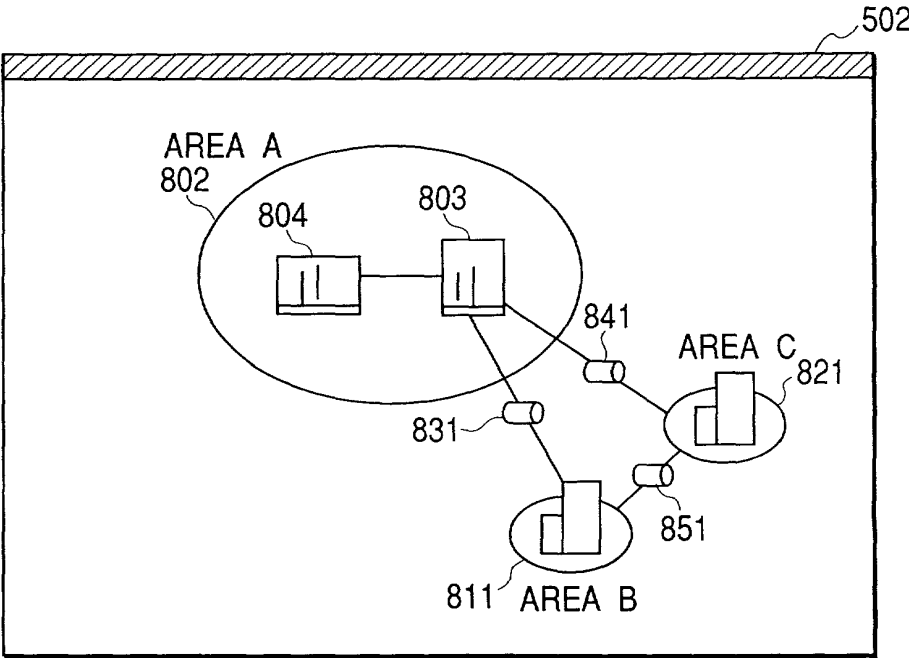


FIG. 5



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FIG. 6

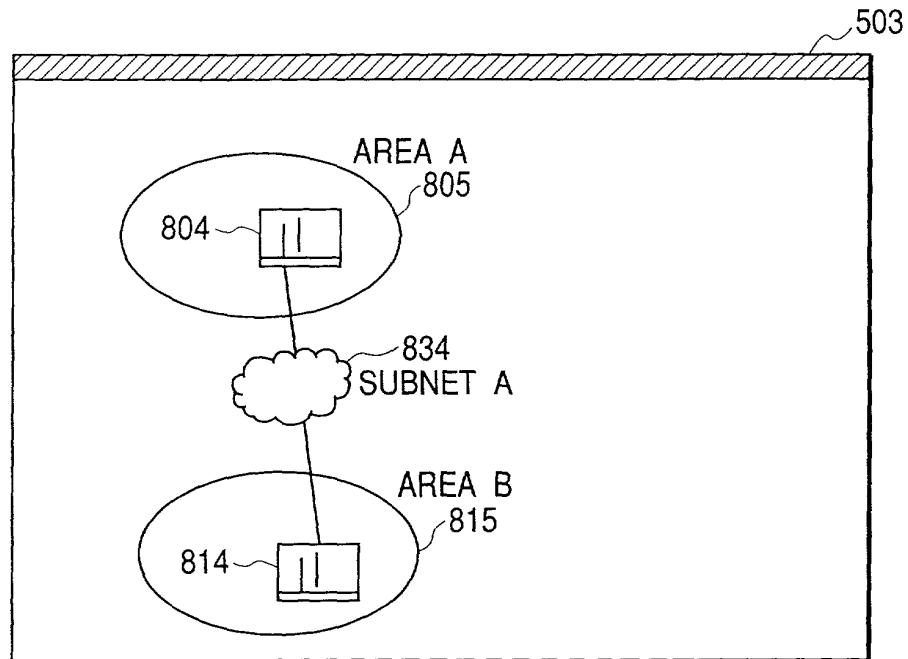
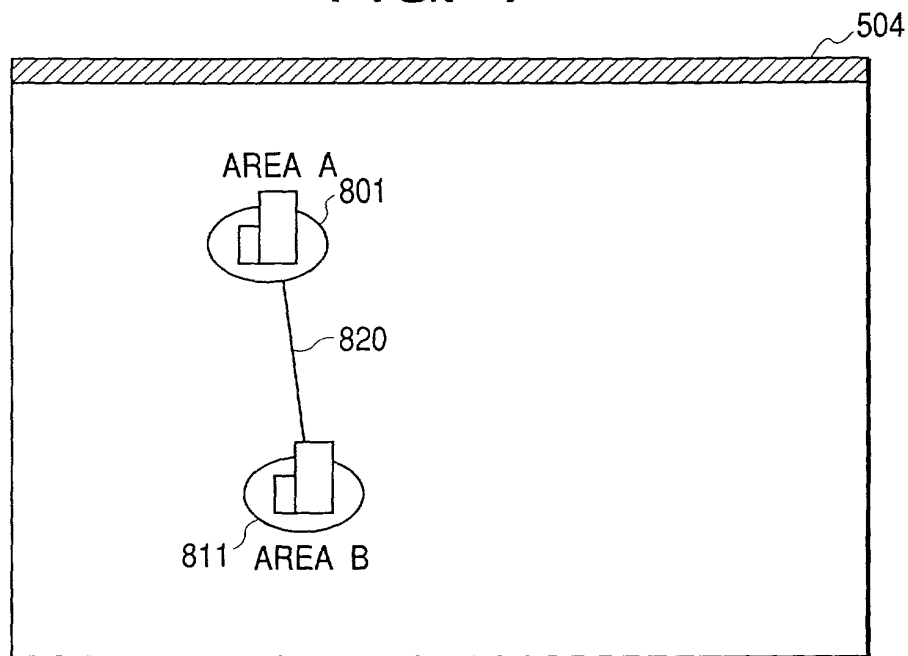


FIG. 7



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FIG. 8

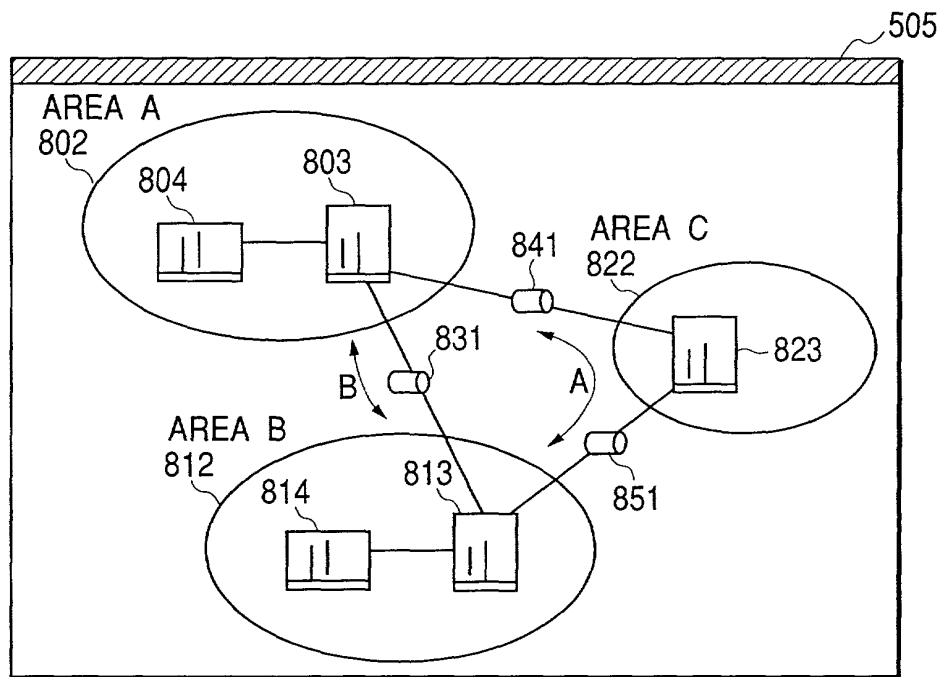


FIG. 9

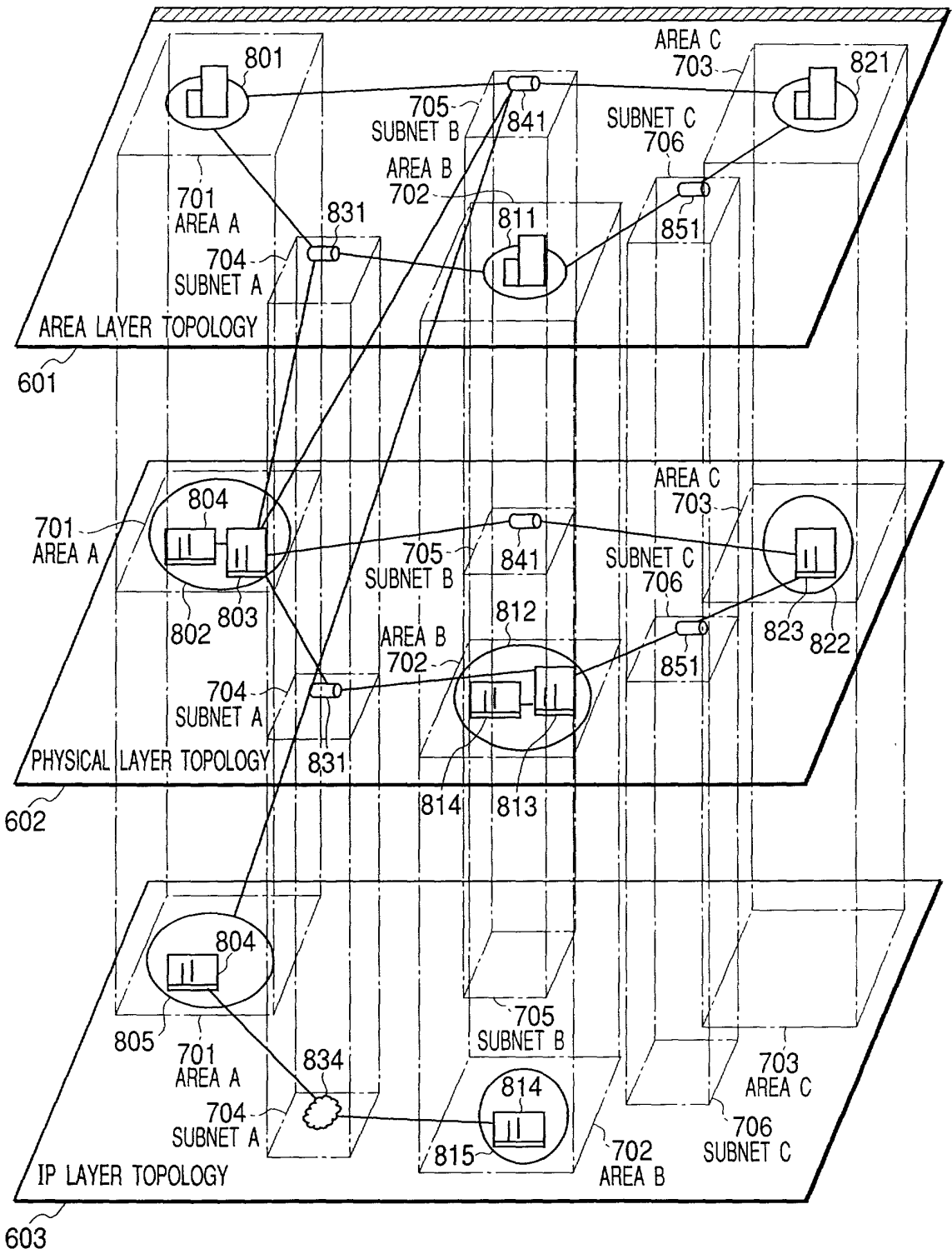


FIG. 10

210-1

```
1  <equip name="router804">
2    <position x="20" y="50" w="40" h="20"/>
3    <icon url="http://foo/router.gif"/>
4  </equip>
5  <equip name="atm-sw803">
6    <position x="30" y="10" w="20" h="30"/>
7    <icon url="http://foo/atm-sw.gif"/>
8  </equip>
9  <equip name="router814">
10   <position x="20" y="50" w="40" h="20"/>
11   <icon url="http://foo/router.gif"/>
12 </equip>
13 <equip name="atm-sw813">
14   <position x="30" y="10" w="20" h="30"/>
15   <icon url="http://foo/atm-sw.gif"/>
16 </equip>
17 <equip name="atm-sw823">
18   <position x="30" y="10" w="20" h="30"/>
19   <icon url="http://foo/atm-sw.gif"/>
20 </equip>
21 <location name="A-relay801">
22   <position x="5" y="5" w="20" h="20"/>
23   <icon url="http://foo/relay.gif"/>
24 </location>
25   <location name="A-relay802">
26     <position x="0" y="0" w="100" h="100"/>
27     <icon url="http://foo/relay.2.gif"/>
28   </location>
29   <location name="A-relay805">
30     <position x="0" y="0" w="60" h="50"/>
31     <icon url="http://foo/relay.3.gif"/>
32   </location>
```



```

33 <location name="B-relay811">
34   <position x="0" y="0" w="20" h="20"/>
35   <icon url="http://foo/relay.gif"/>
36 </location>
37 <location name="B-relay812">
38   <position x="0" y="0" w="100" h="100"/>
39   <icon url="http://foo/relay.2.gif"/>
40 </location>
41 <location name="B-relay815">
42   <position x="0" y="0" w="100" h="100"/>
43   <icon url="http://foo/relay.3.gif"/>
44 </location>
45 <location name="C-relay821">
46   <position x="0" y="0" w="20" h="20"/>
47   <icon url="http://foo/relay.gif"/>
48 </location>
49 <location name="C-relay822">
50   <position x="0" y="0" w="30" h="30"/>
51   <icon url="http://foo/relay.4.gif"/>
52 </location>
53 <net name="netA831">
54   <position x="0" y="0" w="10" h="10"/>
55   <icon type="http://foo/physicalNet.gif"/>
56 </net>
57 <net name="netA834">
58   <position x="0" y="0" w="10" h="10"/>
59   <icon type="http://foo/logicalNet.gif"/>
60 </net>
61 <net name="netB841">
62   <position x="0" y="0" w="10" h="10"/>
63   <icon type="http://foo/physicalNet.gif"/>
64 </net>
65 <net name="netC851">
66   <position x="0" y="0" w="10" h="10"/>
67   <icon type="http://foo/physicalNet.gif"/>
68 </net>

```

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FIG. 12

220-1

```

1  <LOVD name="A-relay-LOVD" x="10" y="10">
2    <level num="1" w="30" h="30">
3      <obj name="A-relay801"/>
4    </level>
5    <level num="2" w="100" h="100">
6      <obj name="A-relay802"/>
7      <obj name="router804"/>
8      <obj name="atm-sw803"/>
9    </level>
10   <level num="3" w="60" h="50">
11     <obj name="A-relay805"/>
12     <obj name="router804"/>
13   </level>
14 </LOVD>
15 <LOVD name="B-relay-LOVD" x="20" y="70">
16   <level num="1" w="30" h="30">
17     <obj name="B-relay811"/>
18   </level>
19   <level num="2" w="100" h="100">
20     <obj name="B-relay812"/>
21     <obj name="router814"/>
22     <obj name="atm-sw813"/>
23   </level>
24   <level num="3" w="60" h="50">
25     <obj name="B-relay815"/>
26     <obj name="router814"/>
27   </level>
28 </LOVD>
29 <LOVD name="C-relay-LOVD" x="70" y="20">
30   <level num="1" w="30" h="30">
31     <obj name="C-relay821"/>
32   </level>
33   <level num="2" w="40" h="50">
34     <obj name="C-relay822"/>
35     <obj name="atm-sw823"/>
36   </level>
37 </LOVD>

```

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FIG. 13

220-2

```
38  <LOVD name="netA-LOVD" x="25" y="50">
39    <level num="1" w="10" h="10">
40      <obj name="netA831"/>
41    </level>
42    <level num="2" w="10" h="10">
43      <obj name="netA831"/>
44    </level>
45    <level num="3" w="10" h="10">
46      <obj name="netA834"/>
47    </level>
48  </LOVD>
49  <LOVD name="netB-LOVD" x="50" y="30">
50    <level num="1" w="10" h="10">
51      <obj name="netB841"/>
52    </level>
53    <level num="2" w="10" h="10">
54      <obj name="netB841"/>
55    </level>
56  </LOVD>
57  <LOVD name="netC-LOVD" x="60" y="60">
58    <level num="1" w="10" h="10">
59      <obj name="netC851"/>
60    </level>
61    <level num="2" w="10" h="10">
62      <obj name="netC851"/>
63    </level>
64  </LOVD>
65  <init_LOVD num="1"/>
```

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FIG. 14

1	<connection name="A-relay801">	19	<connection name="atm-sw803">
2	<obj name="netA831"/>	20	<obj name="netA831"/>
3	</connection>	21	</connection>
4	<connection name="A-relay801"/>	22	<connection name="atm-sw803">
5	<obj name="netB841"/>	23	<obj name="netB841"/>
6	</connection>	24	</connection>
7	<connection name="B-relay811"/>	25	<connection name="atm-sw813">
8	<obj name="netA831"/>	26	<obj name="netA831"/>
9	</connection>	27	</connection>
10	<connection name="B-relay811">	28	<connection name="atm-sw813">
11	<obj name="netC851"/>	29	<obj name="netC851"/>
12	</connection>	30	</connection>
13	<connection name="C-relay821">	31	<connection name="atm-sw823">
14	<obj name="netB841"/>	32	<obj name="netB841"/>
15	</connection>	33	</connection>
16	<connection name="C-relay821">	34	<connection name="atm-sw823">
17	<obj name="netC851"/>	35	<obj name="netC851"/>
18	</connection>	36	</connection>
		37	<connection name="router804">
		38	<obj name="atm-sw803"/>
		39	</connection>
		40	<connection name="router814">
		41	<obj name="atm-sw813"/>
		42	</connection>
		43	<connection name="router804">
		44	<obj name="netA834"/>
		45	</connection>
		46	<connection name="router814">
		47	<obj name="netA834"/>
		48	</connection>
		49	<connection name="A-relay805"/>
		50	<obj name="netB841"/>
		51	</connection>

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FIG. 14

FIG. 15

	240
1	<relation name="netA834">
2	<obj name="atm-sw803"/>
3	<obj name="netB841"/>
4	<obj name="atm-sw823"/>
5	<obj name="netC851"/>
6	<obj name="atm-sw813"/>
7	</relation>

FIG. 16

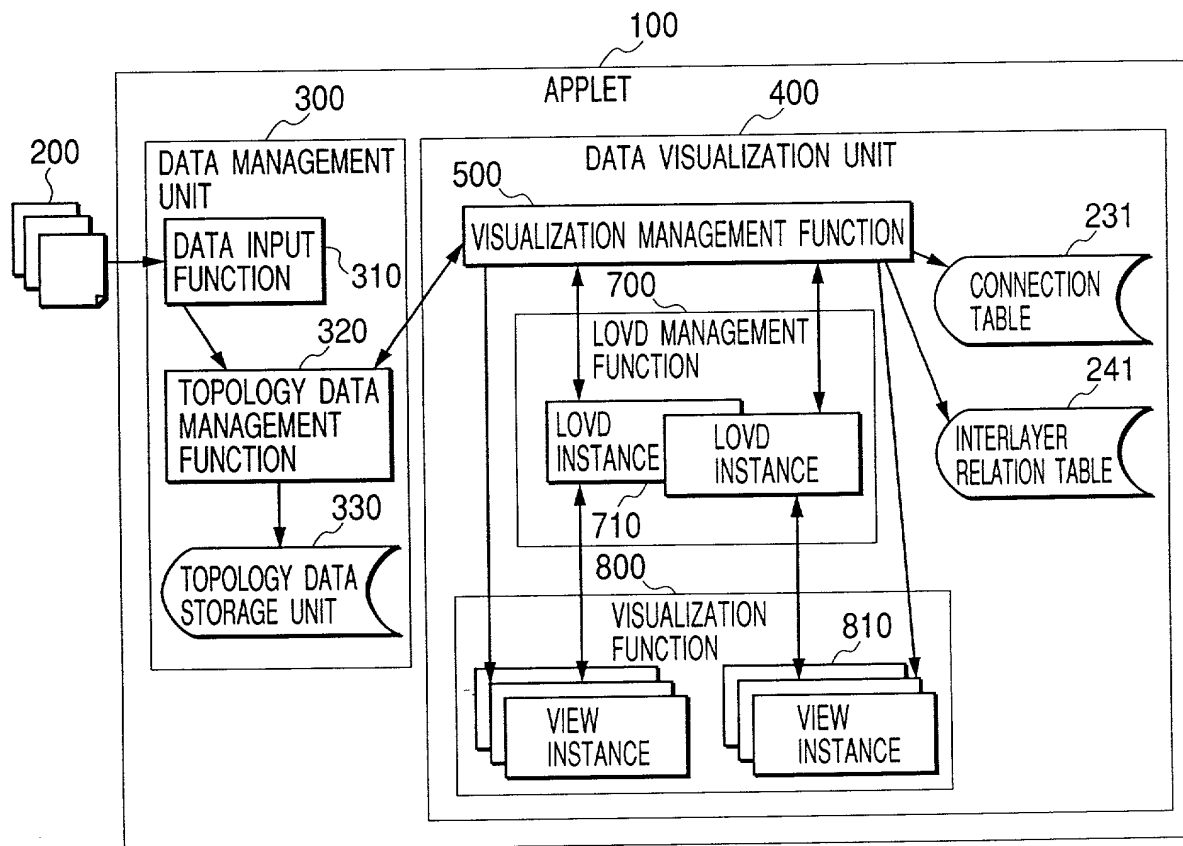


FIG. 17

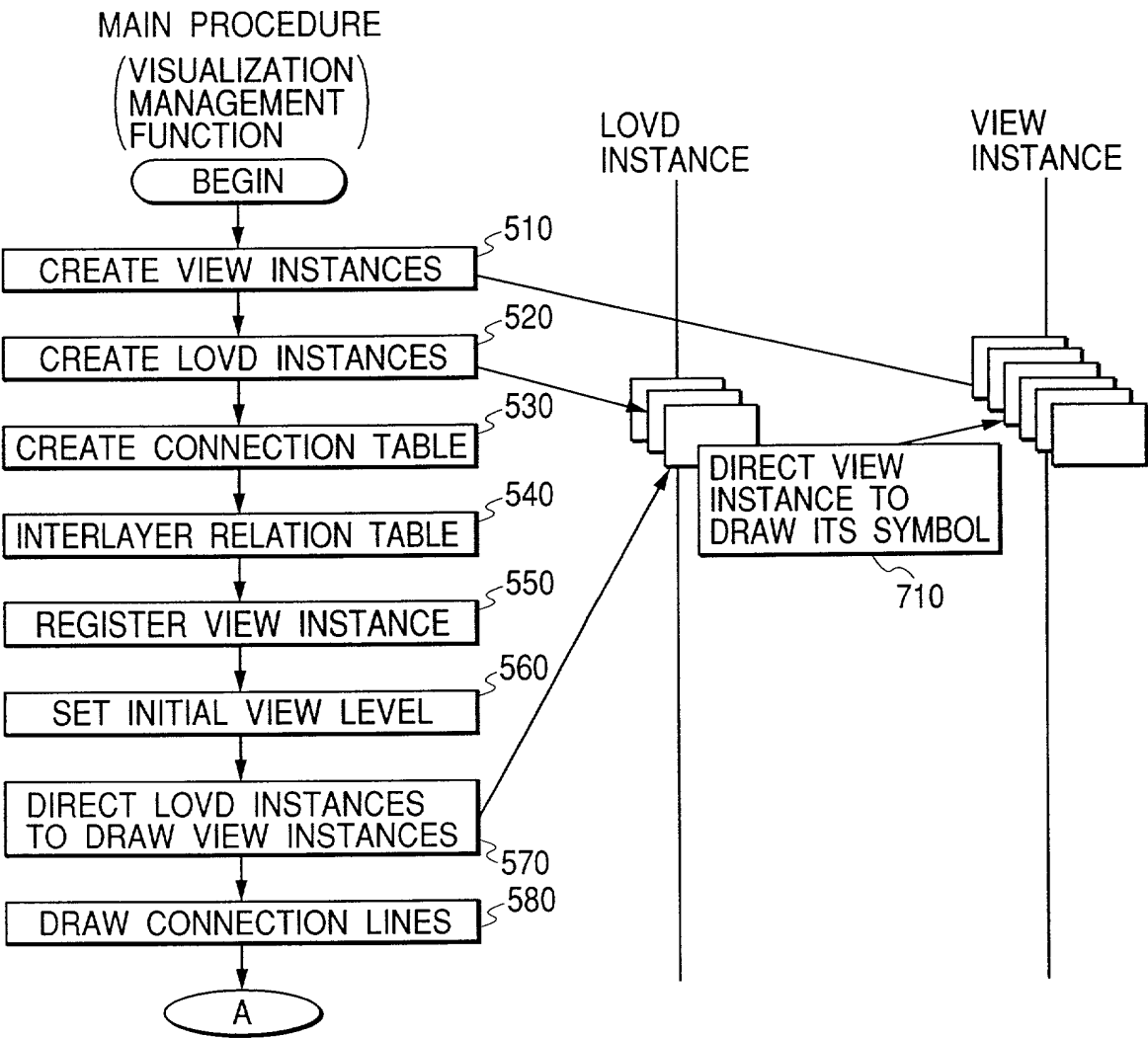


FIG. 18

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VIEW INSTANCE	VIEW INSTANCE
A-relay801	netA831
A-relay801	netB841
B-relay811	netA831
B-relay811	netC851
C-relay821	netB841
C-relay821	netC851
atm-sw803	netA831
atm-sw803	netB841
atm-sw813	netA831
atm-sw813	netC851
atm-sw823	netB841
atm-sw823	netC851
router804	atm-sw803
router814	atm-sw813
A-relay805	netB841
router804	netA834
router814	netA834

FIG. 19

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PARENT INSTANCE	CHILD INSTANCE
netA834	atm-sw803
netA834	netB841
netA834	atm-sw823
netA834	netC851
netA834	atm-sw813

FIG. 20

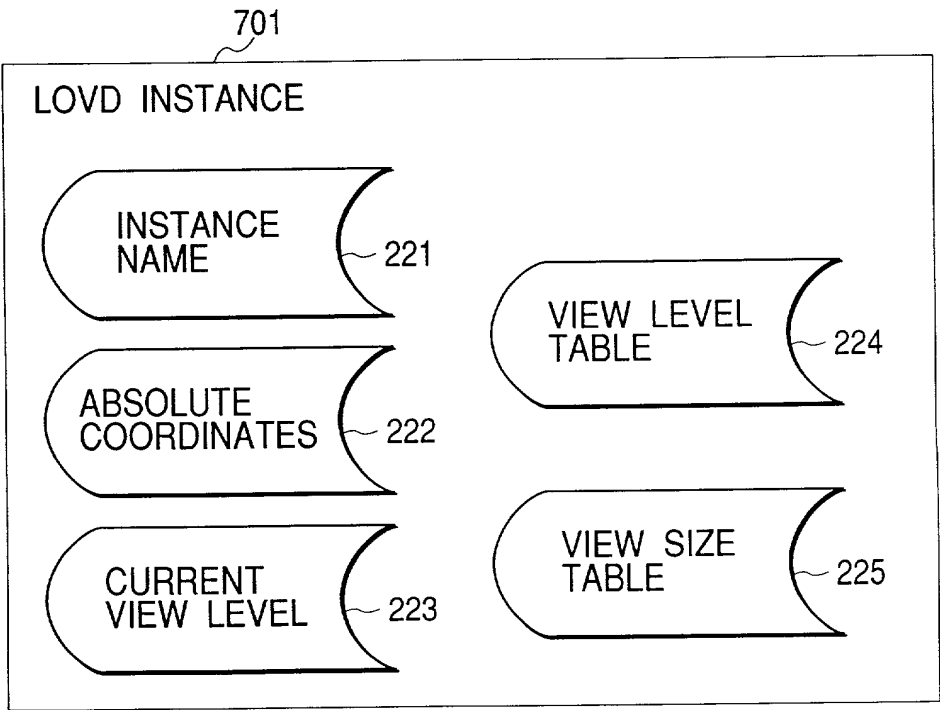


FIG. 21

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VIEW LEVEL	VIEW INSTANCE
1	A-relay801
2	A-relay802
2	router804
2	atm-sw803
3	A-relay805
3	router804

FIG. 22

225

VIEW LEVEL	WIDTH	HEIGHT
1	30	30
2	100	100
3	60	50

FIG. 23

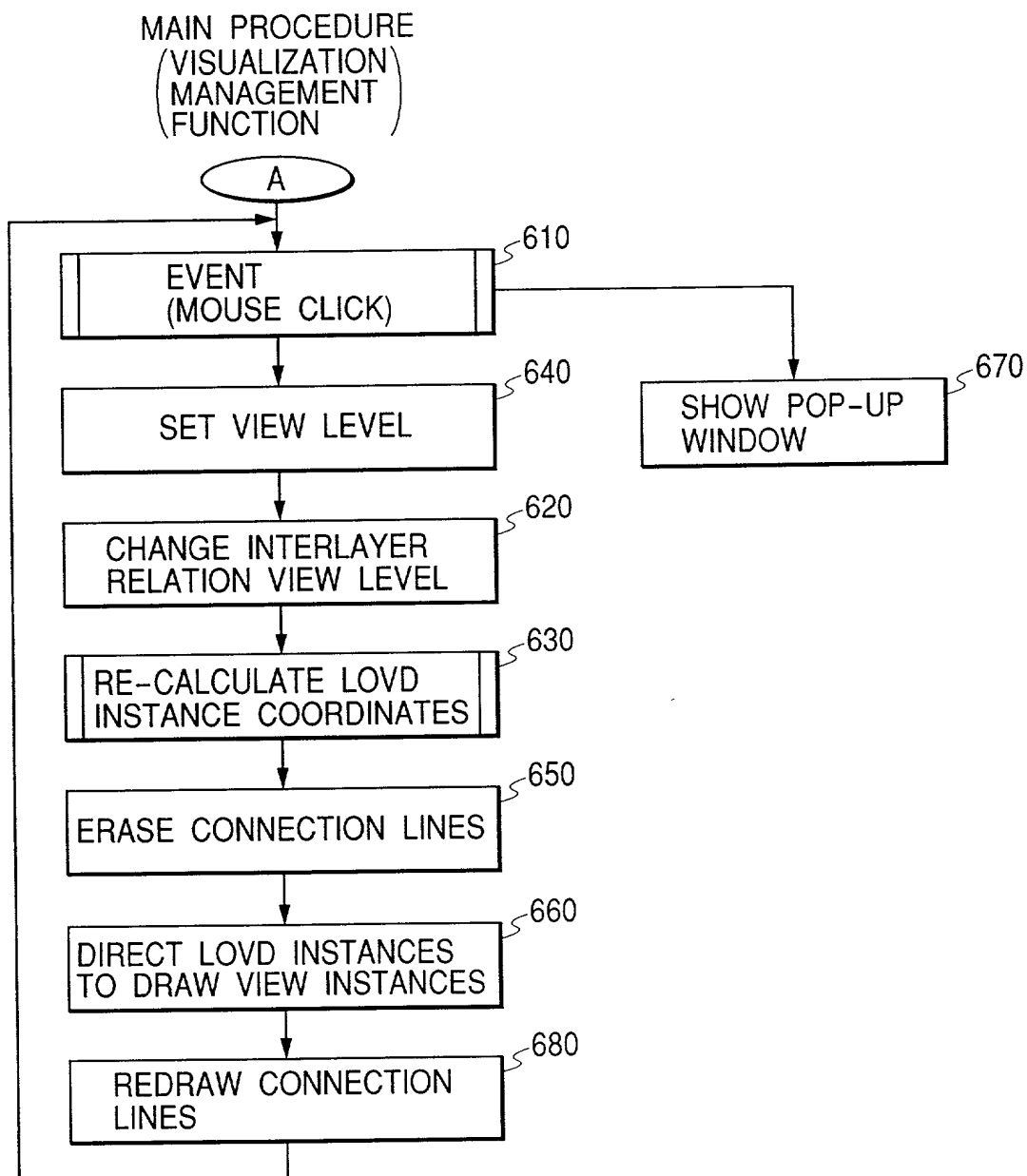


FIG. 24

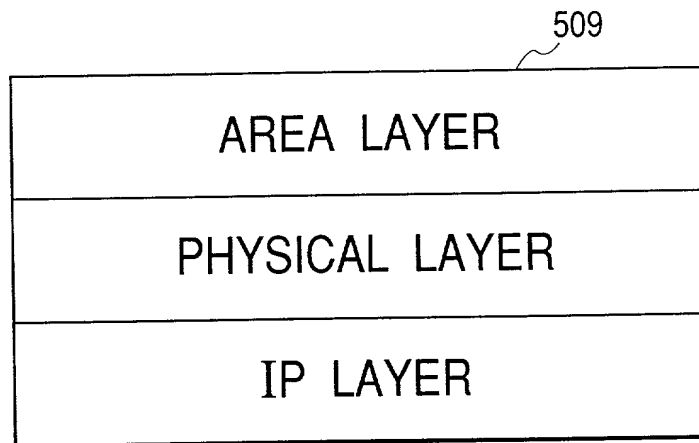


FIG. 25

LOVD INSTANCE COORDINATES RE-CALCULATION

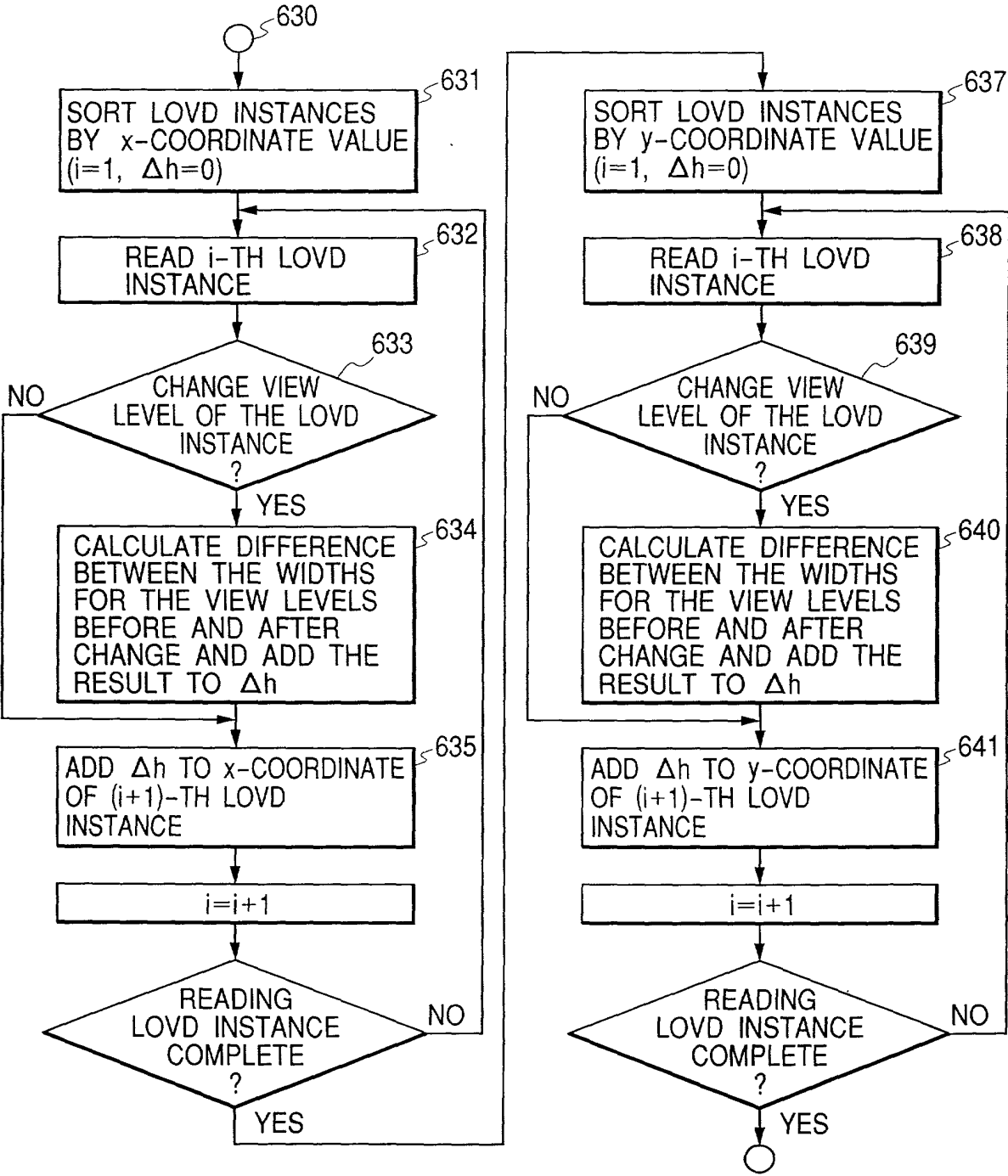
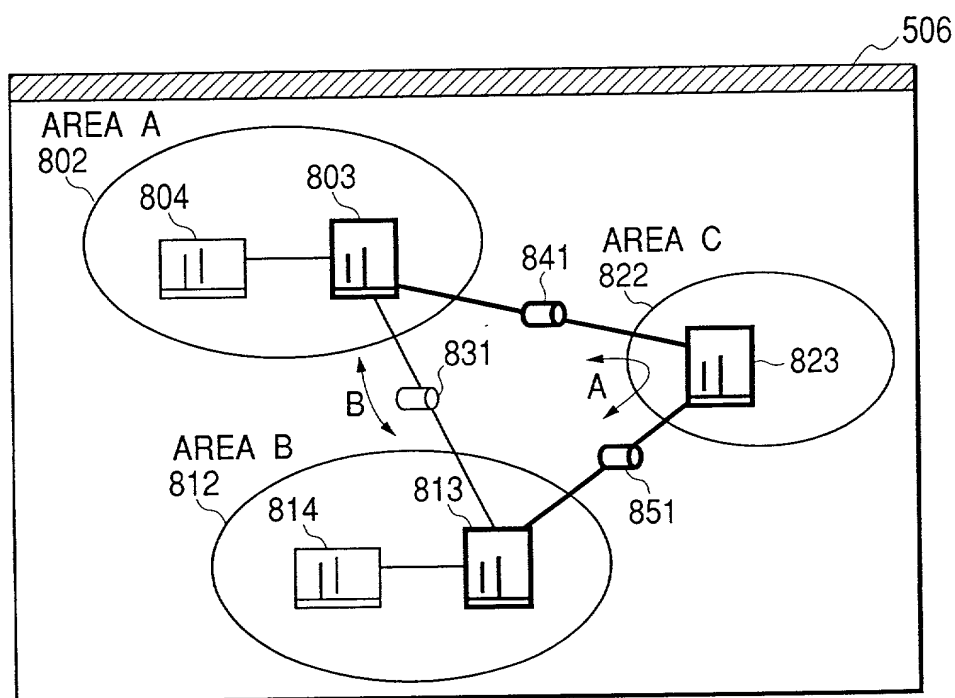
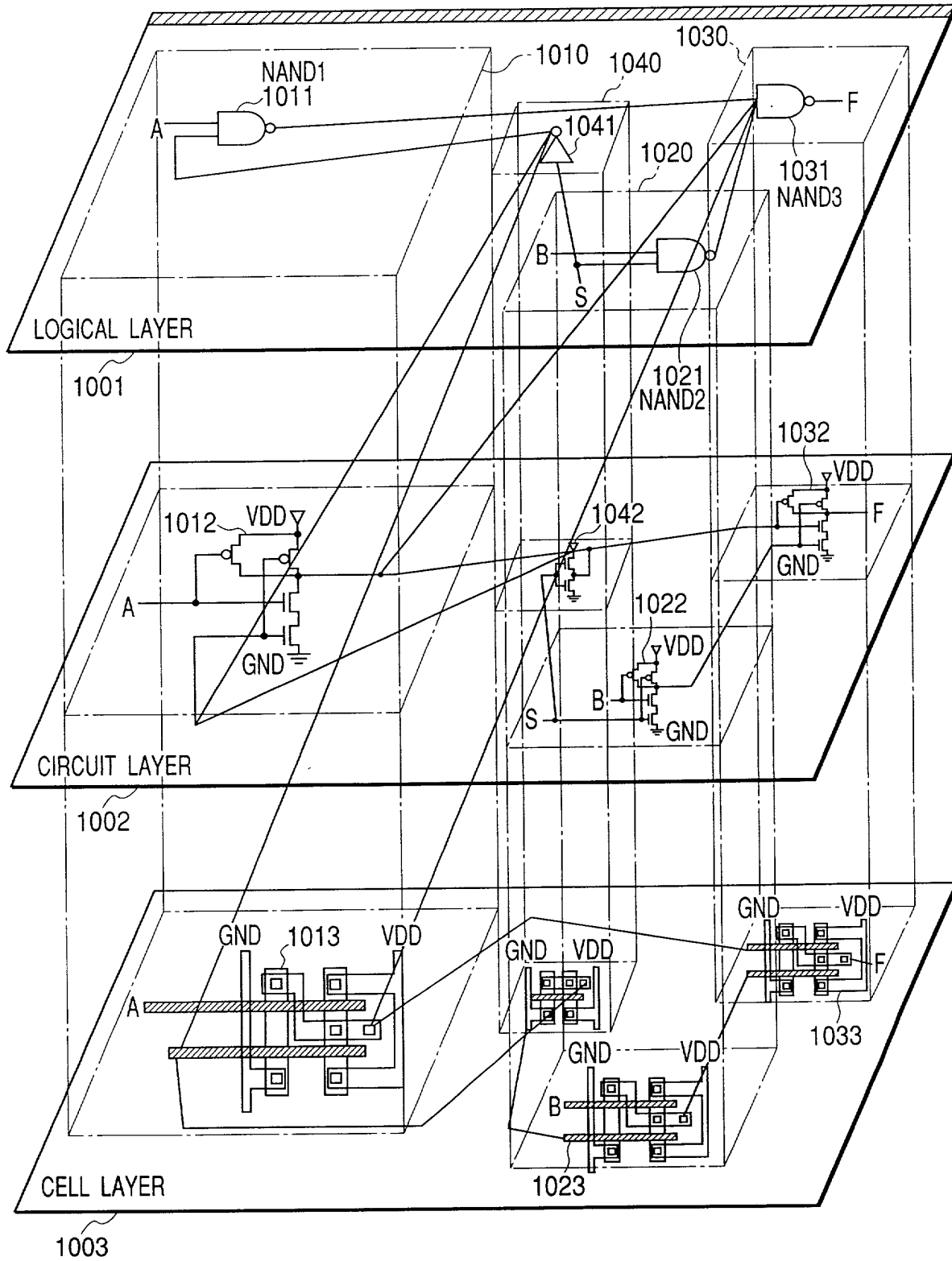


FIG. 26



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FIG. 27



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FIG. 28

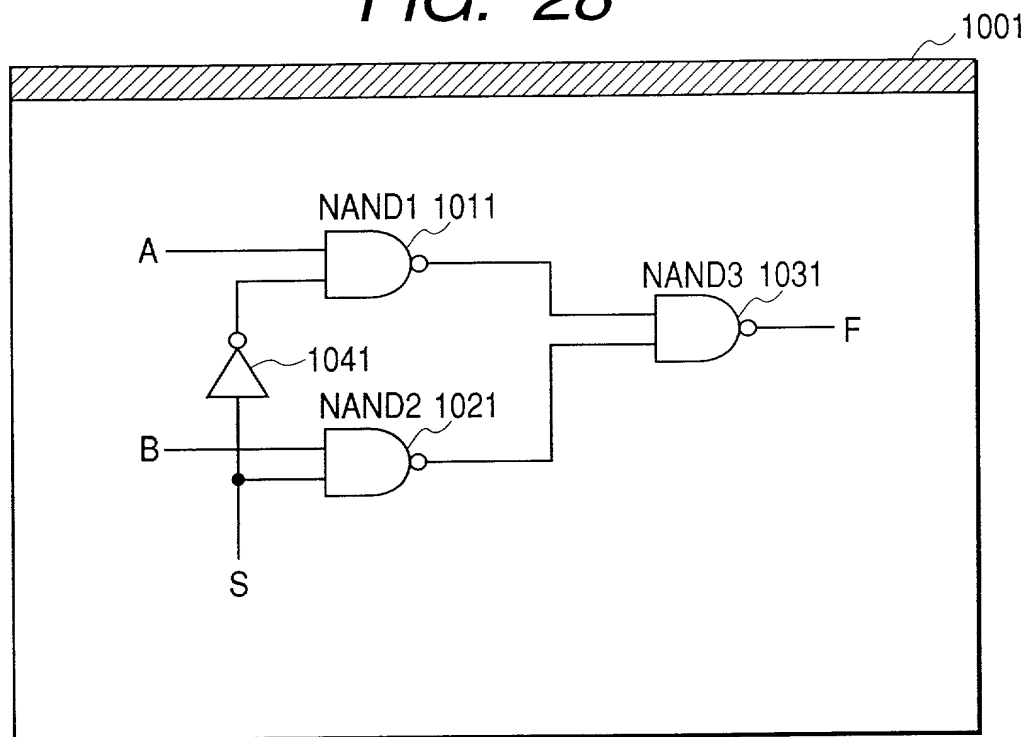


FIG. 29

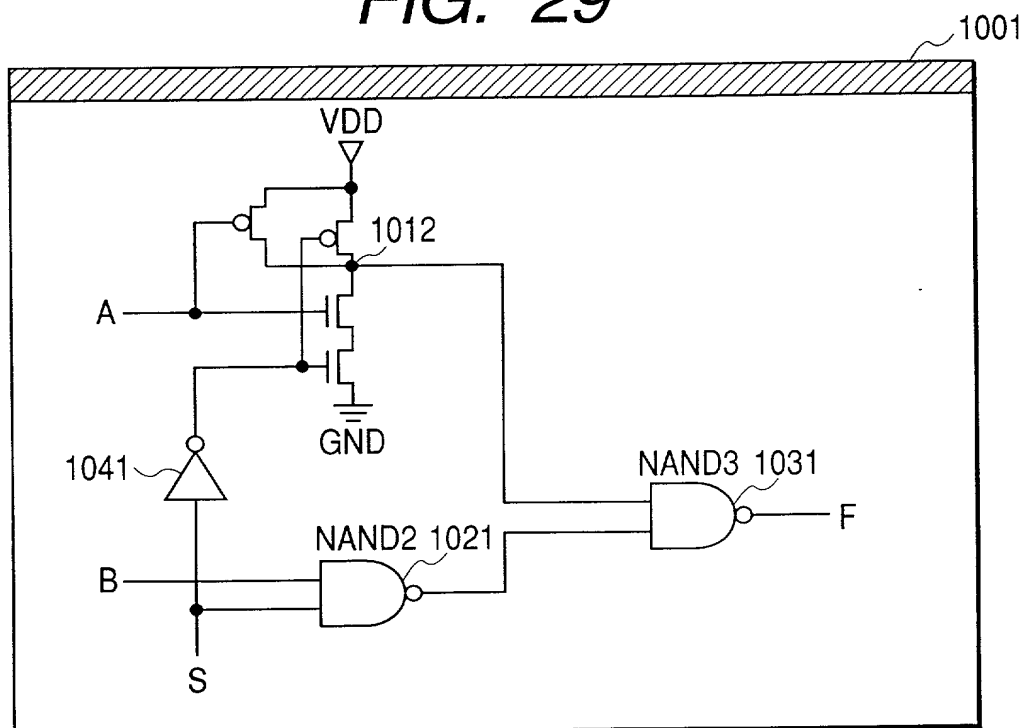


FIG. 30

